

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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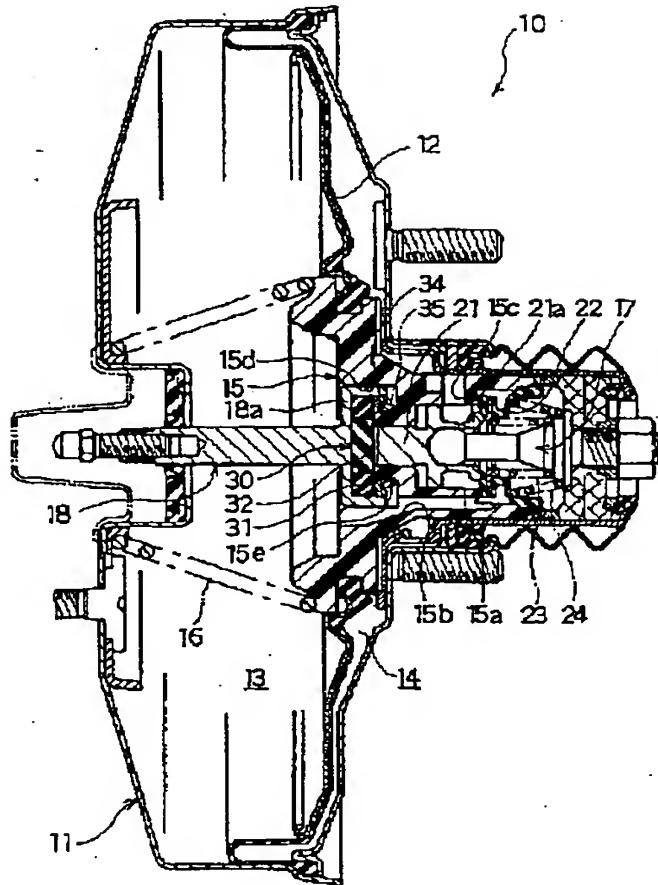
APPLICATION DATE : 27-01-98  
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APPLICANT : NABCO LTD;

INVENTOR : ITO WATARU;

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**TITLE : AIR PRESSURE TYPE BOOSTER**



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide an air pressure type booster which can enhance the actuating property (responsiveness) in the initial period of braking while bite-in of a reaction disc is prevented.

**SOLUTION:** When viewed on a plane confronting a valve plunger 21, a reaction disc 30 is composed of an external resilient piece 31 and an internal resilient piece 32 having a lower hardness than the external, and the valve plunger 21 is abutted only on the internal resilient piece 32. Thereby the amount of deformation of the reaction disc 30 in the initial period of braking is made greater than conventional, and it is possible to quickly introduce the atmosphere to a pressure change chamber 14 via an atmosphere valve, to lead to enhancement of the actuating property. Also the pedal stamping feeling of the driver will be enhanced.

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